

Peculiarities of the Affection of the Cerebrum in
Thrombosis of the Internal Carotid Artery at
Different Levels, by A. N. Koltsova, I. G. Fomina,
I. V. Gannushkina, 19 pp.

RUSSIAN, per, Arkhiv Patolog, Vol XXII, No 11,
1960, pp 72-77.

JPRS 7716

Sci - Med

142,079

Mar 61

(NY 5000, 11)

On Arterial Thrombi in Atherosclerosis (in
Connection with the Duguid Theory), by T. N.
Khavichin, 21 pp.

RUSSIAN, per, Arkhiv Patologii, Vol XXII, No 11,
Nov 1960, pp 78-84.

JPRS 7717

Sci - Med

Apr 61

147,236

(MI-5590)

On the Structure and Compensatory Significance of
Thebesius Vessels in the Left Ventricle of the
Heart Affected by Myocardial Infarction, by V. D.
Arutyunov, 15 pp.

RUSSIAN, per, Arkhiv Patolog, Vol XXII, No 11,
1960, pp 85-91.

APRS 7718

Sci - Med

155,090

Jun 61

(NY-5946/1)

Causation of Anomalies and the Specificity of the
Teratogenic Effect, by Yu. V. Gul'kevich, G. I.
Lazyuk, K. Yu. Gul'kevich, 28 pp.

RUSSIAN, per, Arkhiv Patologii, Vol 22, No 12, Dec
60, pp 3-19. 9092962

NIK 3-27-62

JPRS 9033

Sci - Med
Apr 61

147,242

(NY-5946/2)

Aortic Changes in Hypertension, by M. D. Zlateva,
18 pp.

RUSSIAN, per, Arkhiv Patologii, Vol 22, No 12,
Dec 60, pp 23-29.

JPRS 9039

Sci - Med

Apr 61

147,249

(NY-5946/3)

The Sequelae of Deep Hypothermia, Ye. V. Gubler,
G. A. Akimov, N. V. Alishev, V. N. Likhota, 11 pp.

RUSSIAN, per, Arkhiv Patologii, Vol 22, No 12,
Dec 60, pp 29-35.

JPRS 9040

Sci - Med

Apr 61

147,248

The Problem of Atherosclerosis, by I. V.
Davydovskiy, L. A. Culina, 37 pp.

ENFSIAL, per, Arkhiv Patolog, Vol XXIII, No 1,
1961, pp 3-23.

JPRS 9117

Sci - Med

Jun 61

153,718

Morphological Changes in the Central Nervous System
Under the Effect of Centimetric Waves on the Organism,
by L. A. Dolina, 14 pp.

RUSSIAN, per, Arkhiv Patolog, Vol XXIII, No 1,
1961, pp 51-57.

JPRS 9118

Sci - Med

153, 717

Jun 61

Experimental Liver Tumors Under Conditions of
Protein-Choline Deficiency, by V. P. Smirnov.
RUSSIAN, par, Arch Pat, Vol 23, No 2, 1961,
pp 51-59.

HEW NIH

6-25-69

JPRS 9326

Sci-PAM

Sept 69

390,141

Abstracts from Arkhiv Patologii, 9 pp. UNCL

RUSSIAN, per, Arkhiv Patologii, Vol XXIII, No 3,
pp 1-7.

JPRS DC-6171

Sci - Med

Aug 61

163,800

The Significance of Changes in Enzyme Activity in the Development of Certain Pathological Processes, by R. N. Shastin, 11 pp.

RUSSIAN, per, Arkhiv Patolog, Vol. XXIII, No 3, 1961, pp 3-8.

JPRS 9663

Sol - Med
Aug 61.

162,642

(N1 - 341)

Liver Tumors Developing Under the Influence of
Cerium-144, by V. N. Strel'tsova, 10 pp.

RUSSEAN, par, Arkhiv Patolog, Vol XXIII,
No 3, 1961, pp 9-16.

JPRS 9653

Sci - Med
Aug 61

162635

(11-0041)

Development of Early Morphologic Changes of
the ~~INTESTINAL~~ Gastrointestinal
Tract after the Administration of Polonium,
by G. A. Lebedeva, 8 pp.

RUSSIAN, per, Arkhiv Patolog. Vol. XXIII,
No 3, 1961, pp 16-21.

JPRS 9653

Sci - Med
Aug 61

162,637

(NI-0341)

Investigation of the Role of the Reflex
Component in the Body's Reaction to the
Effect of External Ionizing Radiation, by
A. G. Everdlov, 8 pp.

RUSSIAN, per, Arkhiv Patologii, Vol XXIII,
No 3, 1961, pp 21-25.

JPRS 9653

Sol. - Med
Aug 61

162,636

(NY-634-)
Acute Radiation Necrosis of the Skin, by
L. A. Afrikanova, 12 pp.

RUSSIAN, per, Arkhiv Patologii, Vol XXIII,
No 3, 1961, pp 26-33.

JPRS 9663

Sci - Med
Aug 61

162,638

Changes of the Thyroid Gland in Cancer of the
Stomach and Cancer of the Lung, by V. I.
Iakovleva, 6 pp.

RUSSIAN, per, Arkhiv Patologii, Vol XXIII,
No 3, 1961, pp 34-37. 9099120

MM 3-77-62

Sci - Med

198,608

Jul 62

(NY-6522)

Experimental Vitamin E Deficiency as a Model
of Progressive Muscular Dystrophy in Man,
by M. G. Shcherbakova, 13 pp.

RUSSIAN, per, Arkhiv Patolog, Vol XXIII,
No 4, 1961, pp 15-23.

JPRS 9701

Sci. Med.
Aug 61

162,807

The Problem of Differential Diagnosis of
Age and Pathological Changes in the Pineal
Gland, by A. M. Kbelinskiy, 7 pp.

RUSSIAN, per. Arkhiv Patolog. Vol XXIII.
No 4, 1961, pp 76-79.

JPRS 9701

Sci - Med
Aug 61

162,808

(DC-6040)

Sixtieth Birthday of Mikhail Konstantinovich
Dol'giy, 4 pp.

RUSSIAN, per, Arkhiv Patologii, No 4, 1961,
pp 92, 93.

JPRS 8951

173,688

USSR

Biog

Fiftieth Birthday of Asadulla Ikramovich Nagrupov,
RUSSIAN, per, Arkhiv Patologii, No 4, 1961,
p 93.

*JERS

U.S.S.R.
Sci - Biog

29 May 61

Fiftieth Birthday of Rudol'f Davidovich Shtern,
RUSSIAN, per, Arkhiv Patologii, No 4, 1961,
p 94.

*JPRS

2/25/61

~~SHT~~ - Biog

29 May 61

(NY-6540)

Autoimmunization and the Significance of
Autoantibodies in Pathology, by A. M.
Vikhert, 26 pp.

RUSSIAN, per, Arkhiv Patolog, Vol XXIII,
No 5, 1961, pp 3-18.

JPRS 9727

Sci - Med

179,116

Jan 62

(NY-6540)

Morphology of the Kidneys in Certain Forms
of Experimental Sensitization, by A. G.
Beglaryan, V. V. Serov, 14 pp.

RUSSIAN, per, Arkhiv Patolog,
Vol XXIII, No 5, 1961, pp 19-26.

JPRS 9728

Sci - Med

179, 11-5

Jan 62

(NY-6601)

Morphogenesis of Leukemic Cells in the Focus
of Transplantation of Leukemia in Mice, by
F. B. Yermakova, 12 pp.

in

RUSSIAN, per, Arkhiv Patologii, Vol XXIII,
No 6, 1961, pp 10-16.

JPRS 9902

167,897

Sci - Med
Sep 61

62-17501

Lupu, N. G. and Velikan, K.
INTERSTITIAL CONNECTIVE TISSUE DURING THE
PRE-ROENTGENOLOGICAL STAGE OF TOBACCO-
AFFECTED LUNG. [1962] 21p.
Order from K-H \$26.25

K-H 11411-f

- I. Lupu, N. G.
- II. Velikan, K.
- III. K-H-11411-f
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Trans. of Arkh[iv] Patologii (USSR) 1961, v. 23,
no. 6, p. 38-47.

DESCRIPTORS: *Lung, *Tobacco, Tissues (Biology).

(Biological Sciences--Pathology, TT, v. 8, no. 6)

Office of Technical Services

(NY-6703)

Pathomorphology of the Vascular System
in Acute Radiation Sickness, by N.
Yarygin, G. M. Nikolayev,
12 pp.

RUSSIAN, per, Arkhiv Patolog,
Vol. XLIII, No 8, 1961, pp 24-31.

JPRS 11848

Sci - Med

179,080

Jan 62

5F-111
(Nr-6983)

Staphylococcus Pneumonia in Radiation
Sickness, by O. I. Bazan, 12 pp.

RUSSIAN, per, Archiv Patolog,
Vol XXIII, No 8, 1961, pp 32-38.

JPRS 11848

Sci - Med

179,081

Jan 62

Changes in the Parotid Glands Under Re-
peated Exposures to Ionizing Radiation.
by A. A. Prokhorov, V. V.
Pankovskiy, 9 pp.

RUSSIAN, par, Arkhiv Radiologii,
Vol XXIII, No 5, 1961, pp 39-43.

JPRS 11686

179,082.

Sci - Med

Jan 62

(NY-6783)

Secondary Changes in the Thyroid Following
the Action of Radioactive Iodine, by
Yu. V. Krivobok, 11 pp.

RUSSIAN, per, Arkhiv Patolog.
Vol. XXIII, No 8, 1961, pp 44-49.

JPRS 11848

Sci. Med.

179,083

Jan 62

Pathology Review - December 1961

21 pp.

RUSSIAN, per, Arkhiv Patologii, Vol XXIII, No 11/12,
1961.

JPRS/DC-6560

Sci - Med

Feb 62

132,970

(SIF-2151)

The Effects of Gamma-Rays on the Sorbtive
Properties of Some Tissues of White Rats
Under Conditions of Chronic Irradiation,
by M. I. Podotova, 6 pp.

RUSSIAN, per, Arkhiv Patologii, Vol XXIII,
No 12, 1961, pp 57-61.

JPRS 12829

M Sci - Mbl
Mar 62

187, 652

(SP..2151)

The Dynamics of Morphological Changes of
Connective Tissue Capsules Which Develop
Around Plastic Implants During the
In Process of Malignization, by
A. Kh. Kogan, 9 pp.

RUSSIAN, per, Arkhiv Patologii, Vol XXIII,
No 12, 1961, pp 62-69 68.

JPRS 12829

Sci - Med
Mar 62

187, 653

Krymskii, L. D.
PATHOLOGICAL ANATOMY OF THE TETRALOGY
PENTALOGY, AND TRILOGY OF FALLOT.
Nov/Dec 63, pp 133-144
Order from FASEB \$2.00 in Federation Proceedings
Translation Supplement, v. 22, no. 6, pt. II,
p. T1160-T1168

Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 1,
p. 3-[16].

DESCRIPTORS: Pathology, *Anomalies, Anatomy,
*Heart, Cardiovascular system,

(Biological Sciences--Pathology, TT, v. 11, no. 10)

11-10-1963
(p. T1160-T1168)

I. Krymskii, L. D.
II. Federation of American
Societies for
Experimental Biology,
Washington, D. C.

Office of Technical Services

Bubetsko, L. S.

EXPERIMENTAL INVESTIGATION OF THE
REVERSIBILITY OF CIRRHOTIC CHANGES IN THE
LIVER. [1963] [17p] (figs omitted) 9 refs FASER

Manuscript no. S 326-2.

Order from OHS, SLA, or ETC \$1.60 TT-63-23906

Trans. of Army Pathology (USSR) 1962, v. 24, no. 1,
p. 35-41. (Abstract available)

DESCRIPTORS: *Liver cirrhosis, Regeneration,
Connective tissues.

Pronounced cirrhotic changes accompanied by
considerable reorganization of the parenchyma and
the formation of regenerative hepatomas, as well as
necrosis and, in some cases, splenomegaly, take
place in the liver of rabbits after prolonged (8-15
months) administration of carbon tetrachloride with
constant obstruction of the functional state of the liver.
(Biological Sciences--Pathology, TT, v. 11, no. 6) (orig)

I. Bubetsko, L. S.

II. FASER S-326-2

III. Federation of American
Societies for Experimental
Biology, Washington, D.C.

IV. Scripta Technica, Inc.,
Washington, D.C.

Lushnikov, F. F.
HISTOCHEMICAL STUDY OF EXPERIMENTALLY
PRODUCED MYOCARDIAL INFARCTION. 1963. Sp
Order from EASPB in Federation Proceedings, 1963,
v. 22, no. 5, pt. 2, \$2.00

Trans. of Arkelo Patolog. (USSR) 1962, v. 24, no. 1,
p. 55-[62]. (Abstract available)

DESCRIPTORS: Cytochemistry, *Cells (Biology),
*Thrombosis, *Cardiac muscle, Tissues (Biology),
Obstruction (Physiology), Heart, Blood circulation,
*Necrosis, Glycogen, Oxidation-reduction reactions

The first sign of ischemia of the myocardium after
ligation of a coronary artery in rabbits is the disap-
pearance of glycogen from muscle fibers in the affected
area and the appearance of PAS-positive material. The
(Biological Sciences, TT, v. 11, no. 1) (over)

(p. 1909-1910)

I. Lushnikov, F. F.
II. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.

Office of Technical Services

Morphological Information on Plastic
Surgery of Vessels by Means of Lyophilized
Transplants, by O. R. Bogomolova, 9 pp.

RUSSIAN, per, Arkhiv Patolog, Vol XXIV,
No 1, 1962, pp 63-69.

JPRS 13155

190,660

Sci - Med
Apr 62

63-23027

Myastashchev, V. N., Gol'din, L. S., and others.
 ELECTRON MICROSCOPY OF THE CEREBRAL
 CORTEX IN ALBINO RATS SUBJECTED TO A
 NUMBER OF PATHOLOGICAL CONDITIONS. [1963]
 [15]p. 15 refs. FASEB manuscript no. S 329-2
 Order from CTS or SLA \$1.60 63-23027

Trans. of Arkhiv Patologii (USSR) 1562, v. 24, no. 1,
 p. 70-78.

DESCRIPTORS: *Electron microscopy, *Cerebral
 cortex, Rats, Pathology, Cells (Biology), Anesthesia,
 Toxicity, Alcohols.

In white rats which have been under anesthesia there is
 an increase in the degree of dispersion of the nuclear
 and cytoplasmic contents of many of the cells in the
 cerebral cortex. Under conditions of excitation, the
 opposite picture is observed: the nuclear contents are
 (Biological Sciences--Pathology, TT. v. 10, no. 6)
 (over)

- I. Myastashchev, V. N.
- II. Gol'din, L. S.
- III. FASEB S-329-2
- IV. Federation of American
 Societies for Experimental
 Biology,
 Washington, D. C.
- V. Scripta Technica, Inc.,
 Washington, D. C.

Office of Technical Services

(NY-7040)

ATHEROSCLEROSIS AS REFLECTED IN THE AUTOPSY DATA
OF PETROZAVODSK, BY V. A. SAMSONOV, 10 PP.

RUSSIAN, PER, ARKHIV PATOLOG, VOL XXIV, NO 2,
1962, PP 37-42.

JPRS 13640

SCI - MED
MAY 62

193,307

Danilin, V. T.
THE PATHOLOGICAL ANATOMY OF LEPTOSPIROSIS
IN DOGS. [1962] [13] 25 Feb. FASER manuscript
no. S 140-2.
Order from OIS or SLA \$1.60 63-15997

Trans. of Akad. Patologii (USSR) 1962, v. 24, no. 3,
p. 39-44.

DESCRIPTORS: Anatomy, *Spirochetosis, *Dogs,
Pathology, Liver, Intestine, Spleen, Lymphatic system.

Two forms of leptospirosis were detected: the anicteric
(uremic) form caused by Leptospira canicola and the
icteric form, which sometimes proves fatal. Serious
pathological effects resulted in dogs afflicted with
leptospirosis icterohaemorrhagica. Anatomical invest-
gations revealed jaundice and multiple hemorrhages,
acute venous stasis and edema of the liver and lungs,
invagination of the intestine, and hyperplasia of the
(Biological Sciences-Pathology, TT, v. 10, no. 6)
(over)

- I. Danilin, V. T.
- II. FASER S-140-2
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Ulovich, A. I.
INCREASED SENSITIVITY AND LOWERED RESISTANCE TO NARCOTICS, SEDATIVES AND ANALGESICS IN ANOXIA. [1962] [19] p. 64 refs. FASEB manuscript no. S143-2.
Order from CTS or SLA \$1.60 63-15999

Trans. of Archiv Pathol (USSR) 1962, v. 24, no. 3, p. 60-68.

DESCRIPTORS: *Anoxia, *Analgesics and antipyretics, *Narcotics, *Hypnotics and sedatives, Resistance, *Sensitivity, Toxicity.

Anoxia was induced using a mixture of nitrogen and oxygen; sodium amytal, urethane, and chloralose were injected intraperitoneally. The excitability of the pain reflex was recorded. The unanesthetized rabbits survived respiration of a gas mixture containing 13.4% (Biological Sciences-Pathology, TT, v. 19, no. 6)
(over)

- I. Ulovich, A. I.
- II. FASEB S-143-2
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

(NY-1878)

Vladimir Kaplanovich Zhgenti (On the Occasion
of his 70th Birthday, 4 pp.

RUSSIAN, per, Arkhir Patologii, No 3, 1962,
pp 93, 94.

JPRS 15171

USSR
Biographic
Sep 62

Grishkun, G. I.
NERVOUS STRUCTURES IN THE GRANULATION
TISSUE OF A SKIN WOUND. [1962] [18]p. 20 refs.
FASEB manuscript no. S 142-2.
Order from OIS or SIA \$1.60 63-15998
Trans. of Akhiv Patologii (USSR) 1962, v. 24, no. 3,
p. 53-60.

DESCRIPTORS: Nervous system, *Tissues (Biology),
*Skin, *Wounds, *Nerves, Morphology, Healing,
*Regeneration.

A study of the regeneration of the nervous elements of
granulating wounds must consider the genesis of the
wound (mechanical injury, burn, opening of an abscess),
the course of the wound (normal or delayed healing), and
its character (complicated or uncomplicated). Regener-
ation of nerve fibers was not detected in any preparation
from wounds after surgery; changes were observed in
(Biological Sciences--Pathology, TT, v. 10, no. 7)
(over)

- I. Grishkun, G. I.
- II. FASEB S-142-2
- III. Federation of American
Societies for
Experimental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Tsibel', B. N.
A METHOD OF DEMONSTRATING THE BASAL MEM-
BRANES AND CONNECTIVE TISSUE OF THE RENAL
GLOMERULUS. [1962] [7]p. 6 refs. FASEB manuscript
no. S 144-2.

Order from CTS or SLA \$1.10 63-19000

Trans. of Archiv Pathol (USF) 1962, v. 24, no. 3,
p. 77-79.

DESCRIPTORS: *Biological strains, Histological sec-
tions, Morphology, *Kidneys, *Tissues (Biology),
*Membranes (Biology)

(Biological Sciences--Medical Specialties, TT, v. 9,
no. 10)

- I. Tsibel', B. N.
- II. FASEB S-144-2
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Likht, L. I.
PATHOGENESIS OF ACUTE CORONARY INSUFFI-
CIENCY AND MYOCARDIAL INFARCTION IN HY-
PERTENSION. [1962] [13p. (figs. omitt.) 38 refs.
FASEB manuscript no. S 61-2.
Order from CTS or S.E.A. \$1.60 63-15429
figs. available on loan from CTS

Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 4,
p. 32-37.

DESCRIPTORS: Pathology, *Blood circulation, *Heart,
*Cardiac muscle, Thrombosis, *Necrosis, *Hyperten-
sion, Arteriosclerosis.

Acute coronary insufficiency, coronary thrombosis,
and myocardial infarction in hypertension usually
develop against a background of coronary atherosclero-
sis. The most important pathogenic factor in the de-
(Biological Sciences--Pathology, TT, v. 9, no. 9)(over)

63-15429
I. Likht, L. I.
II. FASEB S-61-2
III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Volzhina, N. S.
RESULTS OF OCCLUSION OF THE GREAT CERE-
BRAL VEIN IN YOUNG ANIMALS. [1962] [11]p. (figs.
omitted) 22 refs. FASEB manuscript no. 542-2.
Order from OTS or SL 51.60 63-15430
figs. available on loan from OTS

Trans. of Arkiv Patologi (USSR) 1962, v. 24, no. 4,
p. 55-61.

DESCRIPTORS: *Veins, *Brain, *Obstruction (Physiology), Pathology, Regeneration, Neurology, *Adaptation (Physiology)

(Physiology)

The fairly complete reconstruction of venous circulation that takes place after occlusion of the great cerebral vein in puppies is largely complete within 3 weeks of the operation. The major role in the formation of collateral efferent pathways following occlusion of the great cerebral vein is played by the following occlusion of the great cerebral vein (Pathology, TT, v. 9, no. 9) (over:)

(Biological Sciences)

- I. Volzhina, N. S.
- II. FASEB S-42-2
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

A Case of Berylliosis of the Lungs, by A. I. Kanevskaya,
7 pp.
RUSSIAN, per, Arkhiv Patolog, Vol XXIV, No 4, 1962,
pp 73-77.
JPRS 27031

Sci-Biol & Med
Dec 64

270,108

63-19025

Goldburt, N. N.
HISTOTOPOGRAPHIC STUDY OF GASTROINTESTINAL
ORGANS. [1962] [4]p. 5 refs. FASEB manuscript
no. S 340-2
Order from OTS or SIA \$1.10

Trans. of Archiv Patologii (USSR) 1962, v. 24, no. 4,
p. 78-79.

DESCRIPTORS: *Gastrointestinal system, *Histology,
Freezing, Stomach, Intestines, Gelatin, Leukocytes,
Biological status.

Goldmann's staining method was modified to examine
large fragments of the walls of the stomach and in-
testine and the vermiform appendix. The tissues were
mounted in gelatin and left for two days. Excess gelatin
outside the specimen can be trimmed off before the
specimen is cut on the freezing microtome. The gelatin
(Biological Sciences--Anatomy, TT, v. 10, no. 6)(over)

- I Goldburt, N. N.
- II FASEB S-340-2
- III Federation of American
Societies for
Experimental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

CONCERNING THE CANCEROGENIC PROPERTIES OF SOME
RADIOACTIVE COMPOUNDS AT A REMOTE PERIOD OF
THEIR ACTION, BY T. A. KOCHETKOVA, G. A. AVRUNINA,
N. D. SAGAYDAK, 12 PP.

RUSSIAN, PER, ARKHIV PATOLOGII, VOL XXIV, NO 5,
1962, PP 3-7.

JPRS 14762

SCI - MED

AUG 62

206,208

63-19378

Goncharova, V. K.
TRANSPLANTABILITY OF OVARIAN TUMORS IN-
DUCED BY HORMONAL DISTURBANCES IN ALBINO
RATS. [1963] [11] p. 20 refs. FASEB manuscript
no. S 186-2.

Order from OTS or SLA \$1.60 63-19378
figs. available on loan from OTS

Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 5,
p. 13-18.

DESCRIPTORS: *Transplantation, *Sex glands,
*Neoplasms, *Hormones, Pathology, Rats, Cells
(Biology), Spleen, Corticosteroid agents, Pituitary
hormones, Adrenocorticotrophic hormone.

Ovarian tumors induced in mongrel albino rats by the
Blakinds' method are transplantable into castrated
mongrel albino rats, both male and female. Successful
transplantation was obtained in 6.6% of cases when
(Biological Sciences--Pathology, TT, v. 10, no. 5)
(over)

- I. Goncharova, V. K.
- II. FASEB S-186-2
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Changes in the Central and Nervous System of
Monkeys Following Infection With Various Strains of
Poliovirus, by E. E. Rozina, A. M.
Amchenkov, 7 pp.

RUSSIAN, per, Arkhiv Patologii, Vol XXIV, No 5,
1962, pp 57-63.

ATS-57PGUR-1(RJ-4213)

SLA 63-14379

230,616

Sci
May 63

(NY-7179)

EXPERIMENTAL CANCER OF THE LUNGS, BY L. M. SHABAD,
15 PP.

RUSSIAN, PER, ARKHIV PATOLOGII, VOL XXIV,
NO 6, 1962, PP 3-12.

JPRS 15044

SCI - MEDICINE

SEP 62

210,257

63-19373

Nezhintseva, A. V.
PNEUMONIA ASSOCIATED WITH CYTOMEGALY IN
CHILDREN. [1963] [11]p. 13 refs. FASEB manuscript
no. S 146-2.

Order from OTS or SLA \$1.60

63-19373

Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 6,
p. 12-17.

- I. Title: Cytomegaly
- I. Nezhintseva, A. V.
- II. FASEB S-146-2
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

DESCRIPTORS: *Pneumonia, Lungs, Diseases, *In-
fants, *Salivary glands, Pathology, Virus diseases,
Tissues (Biology), Cells (Biology).

Generalized cytomegaly in children during the first
months of life may follow a severe course in some
cases, and may lead to death. In children born at term
and developing generalized cytomegaly with the
presence of cytomegalic elements in the lungs, focal
pneumonias are frequently observed, with marked in-
terstitial changes, round-cell infiltration of the inter-
(Biological Sciences--Pathology, TT, v. 10, no. 3)
(over)

Office of Technical Services

63-19001

Slinchenko, N. Z.
THE PATHOLOGICAL ANATOMY OF PNEUMOCOCC-
NIOSIS AMONG MINERS OF THE KRIVOI ROG IRON
ORE DISTRICT. [1962] [17]p. 31 refs. FASEB
manuscript no. S 147-2.

Order from OTS or SLA \$1.60 63-19001

Fig. available on loan from OTS

Trans. of Archiv Patologii (USSR) 1962, v. 24
no. 6, p. 21-28.

DESCRIPTORS: Pathology, Anatomy, Iron Industry,
*Pneumococcoses, Industrial medicine, *Ores,
*Dusts, *Iron, Lungs.

The object of the present research was to investigate
the morphological changes in the lungs of miners
engaged on the principal underground trades, and to
elucidate certain problems in the morphogenesis of
(Biological Sciences--Pathology, TT, v. 10, no. 5)
(over)

- I. Slinchenko, N. Z.
- II. FASEB S-147-2
- III. Federation of American
Societies for
Experimental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Pathomorphology of Lungs in Leukoses of
Children, by Yu. G. Vudin.

RUSSIAN, per, Arkhiv Patologii,
Vol XXIV, No 6, 1962, pp 35-41.
NIE 11-52-54

Sci- BEP
Jul 65

286,186

Barilyak, R. A.
THE MORPHOLOGY AND ORIGIN OF THE
MIKULICZ CELLS. [1963] [14]p. (figs. omitted)
47 refs. FASEB manuscript no. S 149-2.
Order from OTS or SLA \$1.60 63-19374

Trans. of Am. J. Pathol. (USSR) 1962, v. 24,
no. 6, p. 41-47.

DESCRIPTORS: Morphology, *Cells (Biology),
*Histological techniques, Leukocytes, Phagocytosis,
Diagnosis, Tissues (Biology).

The cytological method is very convenient for
studying the cells of the scleromatous granuloma
and for diagnosing the disease. According to cytol-
ogical investigations, Mikulicz cells are larger than
reported in the literature; they may attain a diameter
of 60 μ or more. As a rule the nucleus of the
(Biological Sciences--Pathology, TT, v. 10, no. 3)
(over)

63-19374

1. Title: Mikulicz cells
2. Title: Scleroma
1. Barilyak, R. A.
- II. FASEB S-149-2
- III. Federation of American
Societies for
Experimental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

(NY-7179)

IMMUNOMORPHOLOGY OF CERTAIN ENDOCRINE GLANDS,
BY I. I. FINKEL', 11 PP.

RUSSIAN, PER, ARKHIV PATOLOGII, VOL XXIV,
NO 6, 1962, PP 53-60.

JPRS 15044

SCI - MEDICINE

SEP 62

210,258

S-539/62

Basic Results of Pathological Study of Processes of
Dying and Resuscitation of the Organism, by V. A.
Negovskiy. (NY-7224)

RUSSIAN, per, Arkhiv Patologii, Vol XXV, No 7,
1962, pp 3-9.

JPRS 15985

Sci - Med

7 Sep 62

S-539/62

On the Pathogenesis of Atherosclerosis in the Light
of Morphological Information, by I. V. Davydovskiy,
L. A. Gulina, A. I. Ozaray. (NY-7224)

RUSSIAN, per, Arkhiv Patologii, Vol XXIV, No 7,
1962, pp 10-18.

~~J~~JPRS 15,975

Sci - MED

7 Sep 62

63-19365

Agapova, E. N.
ATHEROSCLEROTIC CHANGES IN THE DISTAL
PORTIONS OF CORONARY VESSELS OF THE HEART
AND IN THE MYOCARDIUM. [1963] [21 p. (figs.
omitted) 43 refs. FASEB manuscript no. S 319-2.
Order from OTS or SLA \$2.60 63-19365
figs. available on loan from OTS

Trans. of Archiv Patologii (USSR) 1962, v. 24, no. 7,
p. 19-26.

DESCRIPTORS: *Atherosclerosis, *Blood vessels,
*Heart, Arteries, Muscles, Growth, Edema.

In stenosed atherosclerosis of the coronary arteries,
plaques are found up to the middle third of the descend-
ing branches. The lower third exhibits pyknosis of the
endothelium, thickening of the intima, and sclerosis
of the vascular walls. A variety of changes, often
(Biological Sciences: Pathology, TT, v. 10, no. 5)

(over)

- I. Agapova, E. N.
- II. FASEB S-319-2
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

63-23026

Gornak, K. A. and Yastrebtsova, N. L.
MORPHOGENESIS OF EXPERIMENTAL ATHERO-
SCLEROSIS IN DOGS (HISTOCHEMICAL INVESTIGA-
TION). [1963] [26]p. 15 refs. FASEB manuscript
no. S 321-2

Order from OTS or SLA \$2.60 63-23026
figs available separately on loan from OTS

Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 7,
p. 34-42.

DESCRIPTORS: Morphology, *Atherosclerosis, Dogs.
Histology, Cells (Biology), Blood vessels.

The highly varied changes noted in the walls of blood
vessels in experimental atherosclerosis (in the form
of tissue disorganization, reaction to this disorganiza-
tion, and regeneration of structural elements) are
caused both in infiltration of lipids from the blood and
by metabolic disturbances in the vascular wall proper
(Biological Sciences--Pathology, TT, v. 10, no. 7)
(over)

- I. Gornak, K. A.
- II. Yastrebtsova, N. L.
- III. FASEB S-321-2
- IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

S-539/62

Atherosclerotic ~~in~~ Infection of the Vessels
During Cancer (Statistical Investigation), by
P. N. Sementsov. (NY-7224)

RUSSIAN, per, Arkhiv Patologii, Vol XXIV, No 7,
1962, pp 49-54.

~~15~~ JPRS 15,985

Sci - M d

7 Sep 62

Biological Aspects of Compensatory Adaptive
Processes by I. V. Davydovskiy, 19 pp.

RUSSIAN, per, Arkhiv Patolog. Vol. XXIV,
No 8, 1962, pp 7-18.

JPRS 15621

Sci - Biol, Med
Oct 62

212,575

Kolover, A. N., Lyalikovskaya, I. G., and
Vereshchagin, N. V.
THE PATHOGENESIS AND MORPHOLOGY OF
CEREBROVASCULAR DISTURBANCES DUE TO
LESIONS OF THE CAROTID AND VERTEBRAL
ARTERIES [1953] [16]p. (figs. omitted) 28 refs. FASEB
manuscript no. S 189-2.
Order from OTS or SLA \$1.60 63-19380
figs. available on loan from OTS

Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 3,
p. 18-26.

DESCRIPTORS: Pathology, Etiology, Morphology, Blood
vessels, "Brain," "Arteries.

Various forms of lesions of the carotid and vertebral
arteries are found in more than half the number of
persons dying from cerebrovascular disturbances. Com-
(Biological Sciences--Pathology, TT, v. 10, no. 4)
(over)

63-19380

1. Title: Carotid artery
2. Title: Vertebral artery
3. Author: A. N. Kolover, I. G. Lyalikovskaya, N. V. Vereshchagin
4. Title: Carotid artery
5. Title: Vertebral artery
6. Title: Carotid artery
7. Title: Vertebral artery
8. Title: Carotid artery
9. Title: Vertebral artery
10. Title: Carotid artery
11. Title: Vertebral artery
12. Title: Carotid artery
13. Title: Vertebral artery
14. Title: Carotid artery
15. Title: Vertebral artery
16. Title: Carotid artery
17. Title: Vertebral artery
18. Title: Carotid artery
19. Title: Vertebral artery
20. Title: Carotid artery
21. Title: Vertebral artery
22. Title: Carotid artery
23. Title: Vertebral artery
24. Title: Carotid artery
25. Title: Vertebral artery
26. Title: Carotid artery
27. Title: Vertebral artery
28. Title: Carotid artery

11-11-1962
(p. T918-T922)

Mikhlin, S. Ya.
EFFECT OF EXPERIMENTAL FOLIC ACID DEFICIENCY (CAUSED BY AMINOPTERIN) ON ENZY-MATIC SECRETION OF THE MAIN DIGESTIVE GLANDS. 1963, 5p
Order from IASEB: Federation Proceedings, 1963, v. 22, no. 3, pt. 2, \$2.00

Trans. of Arkhiv Patologii (USSR) 1962, v. 21, no. 9, p. 24ff. (Abstract available)

DESCRIPTORS: *Folic acid, *Deficiency diseases, Enzymes, Secretion, Gastrointestinal system, *Anti-metabolites, *Drugs

Taking into consideration the nature of the action of analog antagonists of folic acid such as aminopterin, and also the data in the literature on the basic similarity of the effects of aminopterin and alimentary folic acid de- (Biological Sciences, ITT v. 11, no. 1) (over)

I. Title: Aminopterin
I. Mikhlin, S. Ya.
II. Federation of American Societies for Experimental Biology, Washington, D. C.

Office of Technical Services

Lobko, A. P.

KARYOMETRIC INVESTIGATIONS OF LIVER TAP
MATTER IN DISEASES OF THE DIGESTIVE TRACT.
[1963] [17]p. 8 refs. FASEB manuscript no. S 381-2.
Order from GTS or SLA \$1.60 63-23029

Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 9,
p. 33-39.

DESCRIPTORS: *Mitosis, *Cells (Biology), *Liver,
Diagnosis, Diseases, Gastrointestinal system,
*Histological techniques.

Karyometry together with morphological, laboratory,
and general clinical investigation of liver tap matter
may facilitate the differential diagnostics of a number
of diseases of the organs of the abdominal cavity. The
karyometric curve in cancer of the stomach and of the
pancreas without metastases to the liver is commonly
(Biological Sciences--Pathology, TT, v. 10, no. 6)

(over)

- I. Lobko, A. P.
- II. FASEB S-381-2
- III. Federation of American
Societies for Experimental
Biology,
Washington, D. C.
- IV. Scripta Technica Inc.,
Washington, D. C.

Office of Technical Services

63-23881

Lagova, N. D. and Konoplev, V. P.
MORPHOLOGICAL CHANGES IN A TRANSPLANTABLE
CARCINOMA OF THE MAMMARY GLANDS OF RATS
(CME-1) AFTER HORMONE THERAPY. [1963] [16p]
(figs omitted) 32rdn FASEB Manuscript no. S-18-3
Order from OTS or SLA \$1.60 63-23881
figs available on loan from OTS

Trans. of A. Khiv. Philogii (USSR) 1962, v. 24, no. 10,
p. 38-44.

DESCRIPTORS: Morphology, *Carcinoma, *Mammary
glands, Rats, *Hormones, Therapy, *Antineoplastic
agents, Testosterone, Stilbestrol derivatives

Rats with transplantable mammary gland tumors from
the second, eighteenth and thirty-second generations w
were treated before and after ovariectomy with syaest-
rol, cortisone and testosterone. One group received
testosterone following removal of the adrenal glands.
(Biological Sciences--Pathology, TT, v. 10, no. 12)(over)

- I. Title: Syaestrol
- I. Lagova, N. D.
- II. Konoplev, V. P.
- III. FASEB S-18-3
- IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

FL-6019-18
(p. T923-T927)

Aptekar, S. G.
RIBOFLAVIN CONTENT IN ORGANS OF RATS WITH
TRANSPLANTED TUMORS. 1963, 5p
Order from FASEB in Federation Proceedings, 1963,
v. 22, no. 5, pt. 2, \$2.00

Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 10,
p. 45ff. (Abstract available)

DESCRIPTORS: *Riboflavin, Vitamin B complex,
*Tumors, Transplantation, *Cancer, Liver, Kidneys,
Heart

Transplantation of ascites hepatoma C into rats caused
a decrease in the riboflavin content of the liver, kidneys
and heart. The concentration of FAD is decreased in
these organs; the concentration of free riboflavin and
FMN is unchanged. Transplantation of Yoshida's
(Biological Sciences, TT, v. 11, no. 1) (over)

- I. Aptekar, S. G.
- II. Federation of American
Societies for Experimental Biology,
Washington, D. C.

Office of Technical Services

Gladstein, A. I.

PAS-POSITIVE SUBSTANCES AND ACID POLYSACCHARIDES IN THE SYNOVIAL FLUID IN SOME PATHOLOGICAL PROCESSES IN THE KNEE JOINT. [1963] [14p] (figs omitted) 20 refs

FASEB Manuscript no. S 21-3.

Order from OTS, S.L.A., or ETC \$1.60 TT-63-23880
figs available on loan from OTS

Trans. of Arthry Pathology (USSR) 1962, v. 24, no. 10, p. 64-69. (Abstract available)

DESCRIPTORS: *Aminosalicylic acid, *Mucopolysaccharides, *Joints (Physiology), Legs, *Body fluids, Cells (Biology)

PAS-positive substances were found in the cytoplasm of the cells (neutrophils, monocytes, histiocytes, macrophages) of the synovial fluid but not in the intercellular substance. The character of the distribution and the (Biological Sciences--Pathology, TT, v. 11, no. 6) (over)

1. Title: Synovial fluid

I. Gladstein, A. I.

II. FASEB S-21-3

III. Federation of American
Societies for Experimental Biology,
Washington, D. C.

IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Balachanu, M., Biner, Zh., and Krishan, O.
A METHOD OF CULTURING TUMORS IN CHICK
EMBRYO (K Metodike Kul'tivirovaniya Opukholei v
Kurinom Embrione) [1963] 18p. 18 refs. FASEB
manuscript no. S 22-3.

Order from OTS or SLA \$1.10

63-23058

Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 10,
p. 80-82.

DESCRIPTORS: *Histological techniques, *Tumors,
Tissue cultures, Embryonated egg technique, Tissues
(Biology), Cells (Biology), *Transplantation, Growth.

In order to study the antitumoral action of different sub-
stances on the development of tumors transplanted into
the egg during incubation, it is necessary to use a
method giving a high percentage of positive transplanta-
tions. Homogenization of the tumor tissue with Potter's
apparatus considerably facilitates transplantation and
simultaneously increases the percentage of takes.
(Author)

001-3058

- I. Balachanu, M.
- II. Biner, Zh.
- III. Krishan, O.
- IV. FASEB S-22-3
- V. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- VI. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Pathology,
TT, v. 10, no. 7)

Office of Technical Services

LATE CHANGES IN THE OSSEOUS SYSTEM OF DOGS II.
RADIOACTIVE STRONTIUM AFFECTION, BY N. N.
LITVINOV, 7 PP.

RUSSIAN, PER, ARKHIV PATOLOGII, NO 11,
1962, PP 23-28.

JPRS 17161

SCI - MED

JAN 63

219,665

Ivanov, A. E.
ASEPTIC INFLAMMATION IN THE LUNGS IN ACUTE
RADIATION SICKNESS. 1963, 5p

Order from IASFB in Federation Proceedings, 1963,
v. 22, no. 5, pt. 2, \$2.00

Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 1,
p. 30ff. (Abstract available)

DESCRIPTORS: *Inflammation, *Lungs, Radiation ef-
fects, Radiation sickness, Leukocytes

Inflammation in the lungs of irradiated rabbits at the
site of terpenite injection has much in common with
inflammatory changes arising in other tissues and
organs during local irradiation or acute radiation sick-
ness. The fact that the inflammatory changes under
different conditions of irradiation are similar in type
(Biological Sciences, 77, v. 11, no. 5) (over)

Physiol. Zool., 1964, 37, 1, 1-11

TT-64-13502

Lebedeva, G. A.

DEVELOPMENT OF INTESTINAL POLYPOSIS IN
RATS UNDER THE INFLUENCE OF RADIOACTIVE
CERIUM. [1968] [12p] 80 refs FASEB manuscript
no. S 88-3.

Order from OTS, SLA, or ETC \$1.60 TT-64-13502

figs. available on loan from OTS

Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 11,
p. 29-34.

DESCRIPTORS: *Intestines, Radioactive isotopes,
*Cerium, *Carcinogenic agents, Inflammation,

- I. Title: Polyposis
- I. Lebedeva, G. A.
- II. FASEB-S-88-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Pathology, TT, v. 11, no. 9)

Office of Technical Services

63-23844

Afrikanova, L. A.
SKIN REPAIR AFTER ACUTE RADIATION NECROSIS.
[1963] [11]p. 9 refs. FASEB manuscript no. S 90-3.
Order from CTS or SLA \$1.60 63-23844

Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 11,
p. 42-46.

DESCRIPTORS: *Skin, Wounds and injuries, *Ra-
diation sickness, *Necrosis, Radiation effects,
*Healing.

The development of a focus of radiation necrosis is
characterized by a slow tempo, the absence of a clear
cut picture of inflammation, and the development of
necrotic changes in the zone of injury. At the time of
formation of a focus of radiation necrosis, ready-
formed layer of proliferating epidermis and young
connective tissue are present at its edges and base. A
(Biological Sciences--Radiobiology, TT, v. 10, no. 11)
(over)

- I. Afrikanova, L. A.
- II. FASEB S-90-3
- III. Federation of American
Societies for Exper-
imental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

OS 74843

Moiseev, E. A., Shurygin, D. Ya. and others.

THE EFFECT OF CYTOSTATIC SUBSTANCES ON
THE ORGANS OF INTERNAL SECRETION. [1963]
[12]p. 11 refs. FASEB manuscript no. S 91-3.

Order from OTS or SLA \$1.60 63-23343

Figs. available on loan from OTS

Trans. of Archiv Patologii (USSR) 1962, v. 24, no. 11,
p. 57-63.DESCRIPTORS: *Endocrine glands, Drugs, *Mylarun,
Leukemia, Toxicity, *Tolerances (Physiology), Cells
(Biology), *Antineoplastic agents

The character of the morphological changes in the
endocrine glands, and their severity depend on the type
of cytostatic substance, its dose and the duration of its
action, and also on the individual peculiarities of the
organism. After the brief administration of therapeutic
(Biological Sciences - Pharmacology, TT, v. 10, no. 11)
(over)

1. Title: Chlorbutin
2. Title: Cytostatic agents
3. Title: Embichin
- I. Moiseev, E. A.
- II. Shurygin, D. Ya.
- III. FASEB S-91-3
- IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Lebedeva, G. A.
DAMAGE TO THE GASTROINTESTINAL TRACT IN
CHRONIC RADIATION SICKNESS PRODUCED BY RE-
PEATED X-IRRADIATION. [1963] (14p) 11 refs
FASEB Manuscript no.: S 145-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-24467
figs. available on loan from OTS
Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 12,
p. 21-26. (Abstract available)

DESCRIPTORS: Radiation effects, X-rays, *Gastro-
intestinal system, *Radiation sickness.

Sclerotic changes, disturbances in the neurovascular and
lymphatic apparatus and changes in the cell composition
of the stroma were discovered in the stomach and intes-
tines of dogs in chronic radiation sickness and radiation
leukemia produced by repeated exposure to X-rays in a
total dose of 1540 - 6950 r. In addition to the general
disturbances certain special features in the damage to
(Biological Sciences--Radiobiology, TT, v. 11, no. 6) (over)

- I. Lebedeva, G. A.
- II. FASEB-S-145-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Soboleva, A. D.
**ORGANOSPECIFIC FEATURES OF PULMONARY
 CONNECTIVE TISSUE REACTIONS IN LEUKEMIA,
 CANCER AND NONSPECIFIC CHRONIC INFLAMMA-
 TION.** [1963] [18p] 17 refs FASEB Manuscript no.:
 S 146-3.

Order from OTS, SLA, or ETC \$1.60 TT-63-24468
 figs. available on loan from OTS
 Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 12,
 p. 26-[31]. (Abstract available)

DESCRIPTORS: *Connective tissues, *Lungs,
 *Leukemia, *Cancer, Inflammation, Antigen-antibody
 reactions,

Two types of connective tissue (fibrous and definitive
 reticular) can be distinguished in the lungs. Both types
 of tissue have distinctive biological reactions.
 Cellular-hyperplastic reactions are concentrated in
 (Biological Sciences--Pathology. TT, v. 11, no. 5)
 (over)

- I. Soboleva, A. D.
- II. FASEB-S-146-3
- III. Federation of American
Societies for Experimental
Biology, Washington,
D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services